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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/816,093

04/01/2004

Derek Wyatt

3084.EEM

9478

7590 11/29/2007
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EXAMINER

BRUENJES, CHRISTOPHER P

ART UNIT

PAPER NUMBER

1794

MAIL DATE

DELIVERY MODE

11/29/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/816,093	Applicant(s) WYATT, DEREK	
	Examiner Christopher P. Bruenjes	Art Unit 1794	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 and 7-13 is/are pending in the application.
- 4a) Of the above claim(s) 8 and 9 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 7 and 10-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. Claims 1-4, 7, and 10-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hull et al (WO 91/01711 A1) in view of Okamoto et al (JP 08-057051 A).

Regarding claims 1-3, 7, and 10-12, Hull et al teach a method for storing adhesive compositions (p.1, 1.2-4). The method includes dispensing an uncured adhesive into a container, freezing the adhesive within the container and storing the adhesive while frozen (p.3, 1.26 – p.4, 1.6). The container is formed of a thermoplastic material (p.5, 1.1-8). The thermoplastic material is polypropylene (p.6, 1.35-36), which is injection moldable and has a flexural modulus of less than or equal to 1240MPa. The container has a thickness of approximately 0.035 inches based on calculations of the inner diameter to the outer diameter of the container of example 1 (p.6,

1.35-36). For the purposes of searching for and applying prior art under 35 U.S.C. 103, absent a clear indication in the specification or claims of what the basic and novel characteristics actually are, "consisting essentially of" will be construed as equivalent to "comprising". See MPEP 2111.03. Specifically the only basic or novel characteristic gleaned from the specification or claims is that the method is for storing frozen adhesive, which the method of Hull is designed to do.

Hull et al fail to teach that the wall of the container is roughened to have a mean roughness value of greater than 0.3 micrometers. However, Okamoto et al teach that the inner surface of the wall of a syringe is roughened in order to decrease the sliding friction between the gasket of the plunger and the syringe outer wall so that the material within the syringe can more easily be dispensed from the syringe (p.1-2, paragraphs 3 and 4 and p.3, paragraph 15 of new machine translation). Okamoto et al teach that the optimal mean roughness value of the inner surface of the syringe is 0.5 to 5 micrometers (p.3, paragraph 15 of new machine translation), which is greater than 0.3 micrometers. Okamoto et al further teach that the roughness is formed by mechanical abrasion such as sandpaper processing (p.3, paragraph 15 of new machine translation). Therefore, it would have been obvious to one having ordinary skill in the art at the time Applicant's invention was made to roughen the inner surface of the wall of a syringe in order to decrease the sliding friction between the gasket of the plunger and the syringe wall, which will enable the composition held in the syringe to be more easily dispensed, as taught by Okamoto et al.

Thus, it would have been obvious to one having ordinary skill in the art at the time Applicant's invention was made to roughen the inner surface of the syringe of Hull et al by

mechanical abrasion or sandpaper processing to have a mean roughness value greater than 0.3 micrometers, in order to improve the dispensability of the adhesive stored in the syringe by decreasing the sliding friction between the gasket of the plunger and the syringe wall, as taught by Okamoto et al.

Regarding claims 4 and 13, the container is a syringe (p.5, l.31).

Response to Arguments

4. Applicant's arguments filed May 29, 2007 have been fully considered but they are not persuasive.

In response to Applicant's argument that the method of Hull is different then the method of the instant invention, the method of Hull meets all of the limitations of the claimed method because the claimed method is broader than the specific method argued in this response. Because the "consisting essentially of" is not accompanied with basic and novel characteristics defined in the specification or claims, it is treated as comprising and the extra method steps involved in Hull do not appear to materially affect the basic and novel characteristics of the claimed invention.

In response to Applicant's argument that Okamoto does not teach a material having the claimed flexural modulus, Okamoto was not relied upon in the rejection to teach the flexural modulus. The syringe of Hull is formed of polypropylene, which has the claimed flexural modulus.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher P. Bruenjes whose telephone number is 571-272-1489. The examiner can normally be reached on Monday thru Friday from 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Keith Hendricks can be reached on 571-272-1401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

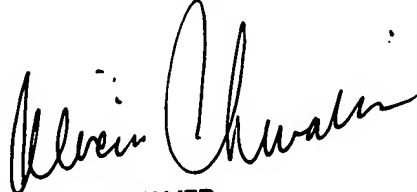
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Christopher P Bruenjes
Examiner
Art Unit 1794

CPB
CPB
November 26, 2007


ALICIA CHEVALIER
PRIMARY EXAMINER